

Claims

1. A method of printing a textile material in sections using at least one printing stencil, whereby the printing stencil is supplied with an ink and the printing stencil supplied with ink is brought into contact with the textile material, characterized in that the printing stencil is a screen printing stencil and in that at least one of the inks contains a bonding agent and an active substance carried by said agent.

2. A method according to Claim 1, characterized in that at least one of the active substances is used in microencapsulated form.

3. A method according to Claim 2, characterized in that a wall material of the microcapsules is stable with respect to the bonding agent.

4. A method according to Claim 3, characterized in that the bonding agent and the wall material of the microcapsules are chemically related.

5. A method according to Claim 4, characterized in that the bonding agent and the wall material are formed essentially by the same plastics material.

6. A method according to claim 2, characterized in that the microcapsules enclose one or more of the following substances: moisture absorbing agent, skin-care agent, medicaments, nutritional supplements, in particular vitamins, active substances inhibiting perspiration formation or perspiration decomposition, temperature-stabilizing materials, aromatic substances.

7. A method according to claim 1, characterized in that the bonding agent is a silicone material.

8. A method according to claim 2, characterized in that the wall material of the microcapsules is a silicone material.

9. A method according to claim 1, characterized in that the ink contains a preferably microencapsulated foaming agent, the wall material of the microcapsules being destructible by the action of heat while drying.

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10. A method according to claim 1, characterized in that a plurality of successive printing steps is carried out in different sections of the textile material width.

11. A method according to Claim 10, characterized in that the individual sections do not overlap.

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12. A method according to claim 1, characterized in that the ink comprises a mixture of different active substances.

13. A method according to claim 1, characterized in that a cylindrical circulating screen printing stencil is used.

14. A method according to claim 1, characterized in that the edge contour of a blank is printed on the textile material width.

15. A method according to claim 1, characterized in that the ink is applied in a grid screen printing process.

16. A method according to Claim 15, characterized in that grid elements of the screen printing stencil have a dimension of approximately 0.1 to approximately 10 mm.

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17. A method according to Claim 16, characterized in that the grid elements of the screen printing stencil have a dimension between approximately 0.1 and approximately 1 mm, and preferably between approximately 0.1 and approximately 0.5 mm.

18. A method according to Claim 16, characterized in that the grid elements of the screen printing stencil have a dimension between approximately 0.3 mm and approximately 6 mm, and preferably between approximately 1 mm and approximately 3 mm.

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19. A method according to claim 1, characterized in that the bonding agent is transparent or translucent.

20. A method according to claim 1, characterized in that the bonding agent is pigmented.

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21. A method according to Claim 20, characterized in that the pigments are white.

22. A method according to Claim 20, characterized in that the pigments are colored.

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